Aftab Uz Zaman Noor
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https://scholar.google.fr/citations?user=9w6h9BUAAAAJ&hl=en&oi=ao

Research Experiences

Lecturer, Department of Life Sciences, Independent University, Bangladesh (IUB) — Feb 2021-Present

Research Intern, International Center for Infectiology Research (Ciri), Inserm, Lyon, France — Jan- July 2020

Project: Characterization of novel innate immune defense factors directed against the human immunodeficiency type 1 virus (HIV-1), causal agent of AIDS

Research Officer, Institute for developing Science and Health initiatives (ideSHi) Dhaka, Bangladesh — Apr 2018-Aug 2018

Project: Observing the prevalence of lower acute respiratory infections among displaced Rohingya population settled in refugee camps of Bangladesh

Research Associate, Plant Biotechnology Laboratory, University of Dhaka, Bangladesh — Jun2017-Apr 2018

Project: Finding the mechanism of salt tolerance of rice landrace '*Horkuch'* through Next Generation Sequencing technology

Education

Master in Vaccinology (Erasmus Leading International Vaccinology Education) — Sep 2018-Aug 2020
Universitat de Barcelona, Spain
Universitat Autónoma de Barcelona, Spain
Universiteit Antwerpen, Belgium
Université Jean Monnet Saint-Etienne, France
Université Claude Bernard Lyon 1, France

- Thesis title: Characterization of ISG20 (Interferon Stimulating Gene 20KDa protein) as an immune defense factor that suppresses virus translation
- Major courses: Advanced Immunology and Immunopathology, Host pathogen
- interactions, Cancer Immunology, Vaccine formulation, Vaccine specific applications, Vaccine communication and public health, Epidemiology, project management etc.

M.S. in Biochemistry and Molecular Biology — Feb 2016-May 2017
University of Dhaka, Bangladesh

- Thesis title: Validation of salt tolerant Quantitative Trait Loci (QTLs) in Bangladeshi rice variety '*Horkuch*' population by molecular and physiological analysis
- Awarded NST Fellowship grant from Ministry of Science and Technology, Bangladesh for thesis work
- Major courses: Advanced Molecular Biology: Genomics and Proteomics, Clinical
- Immunology and Immunodiagnostics, Drug designing and Pharmacogenomics, Agricultural and Environmental Biochemistry, Biochemistry of Natural products etc

B.S. in Biochemistry and Molecular Biology
University of Dhaka, Bangladesh Jan 2012-Jan 2016

- Selected for the 'Dean's Award' by the faculty of Biological Sciences, University of Dhaka for academic excellence
- Major courses: Cell Biology, metabolism, Molecular genetics, Virology, Immunology, Neuro-biochemistry, Plant and Industrial Biotechnology etc.

RESEARCH ARTICLES

1) Bhuyan, G. S., Noor, A. U. Z., Sultana, R., Noor, F. A., Sultana, N., Sarker, S. K., ... & Mannoor, K. (2021). Frequency of Hepatitis B, C and HIV infections among transfusion-dependent Beta Thalassemia patients in Dhaka. Infectious Disease Reports, 13(1), 89-95

2) Noor, A. U. Z., Jewel, G. N. A., Haque, T., Elias, S. M., Biswas, S., Rahman, M. S., & Seraj, Z. I. (2019). Validation of QTLs in Bangladeshi rice landrace Horkuch responsible for salt tolerance in seedling stage and maturation. Acta Physiologiae Plantarum, 41(10), 173.

3) Aftab Uz Zaman Noor, Mohammad Fahim Ather and Mohammad Arif Ashraf, M. A. (2018). Diversity of Gut Microbiota Associating Human Diseases: A Review. EC Microbiology, 14, 50-56.

CONFERENCE ABSTRACTS

1) Tabassum Rahman Sunfi, Nurnabi Azad Jewel, Aftab Uz Zaman Noor, Taslima Haque, Sabrina M.Elias, Sudip Biswas, and Zeba I. Seraj (2018). Establishment of KASP genotyping method for the validation of SNP marker associated with salt tolerance QTL. Abstract book: Annual Plant Tissue Culture & Biotechnology Conference, May 6-7, 2018, Pabna, Bangladesh.

2) Aftab Uz Zaman Noor, Nurnabi Azad Jewel, Taslima Haque , Md. Sazzadur Rahman ,Sabrina M. Elias, Sumaiya Farah Khan, Tokee Md. Tareq and Zeba I. Seraj. Validation of salt tolerant QTLs in Horkuch F5 population by molecular and physiological analysis. Abstract book: International Conference on Genomics, Nanotech and Bioengineering, 14-16 May 2017, Dhaka, Bangladesh

TECHNICAL SKILLS

Wet lab skills:

- Nucleic acid extraction methods for DNA, RNA, plasmid
- PCR, quantitative Real time PCR, allele specific and multiplex based PCR
- Gel Electrophoresis (Agarose and SDS-PAGE)
- Cell Biology techniques: Cell culture, transfections
- Molecular Biology techniques: Cloning, mutagenesis
- Phenotypic screening of plants (both hydroponic and soil based) under stress conditions

Dry lab skills:

- Computer fundamentals, Microsoft Office etc.
- Web-based bioinformatics tools such as exploring different tools of NCBI, Expasy, finding open reading frame, predicting 3D structure of a protein sequence etc.
- Statistical and data visualization tools such as GraphPad Prism, Rstudio.

Management and Leadership skills:

- Documentation and management of biological specimens, laboratory reagents and machine directory
- Worked as a Helpdesk manager in a Massive Open Online Course (MOOC) titled 'Decision making in Vaccinology', Université Claude Bernard Lyon 1, France. (Sep 2019 – Jan 2020)

PARTICIPATIONS

1) Workshop on 'Capacity Building of Higher Education Teachers of Bangladesh on using and creating the Open Education Resource (OER)" organized by University Grants Commission, Bangladesh in collaboration with Commonwealth Educational Media Center for Asia (CEMCA), 29-31 July 2021, certified.

2) E-learning course on 'ICH Good Clinical Practice E6 (R2)', certified on 30 December 2019, The Global Health Network.

3) Courses on 'Vaccine Specific Application' and 'Project management', 2019, Sanofi Pasteur, France.

4) Workshop on 'Adjuvants and Vaccine Formulation',14-16 October 2019, Vaccine Formulation Institute, Lausanne, Switzerland.

5) Summer school on Vaccinology, 1-8 July 2019, Universiteit Antwerpen, Belgium.

6) Courses on 'Vaccine manufacturing' and 'Novel technologies of vaccine', May 2019, GSK vaccine, Belgium.

7) 'Basic Statistics and R for Bioinformatics' online course certified by Center for Bioinformatics Learning Advancement and systematics Training (cBLAST), Dhaka, Bangladesh

8) Training on computer aided drug design, 29 June-01 July 2018, Red Green Research Centre, Dhaka, Bangladesh.

9) Workshop on Omics-data analysis, awarded on 30 March 2017, University of Dhaka, Bangladesh

LANGUAGES

Bengali (Native language), English (Full professional proficiency), French (level A2), Spanish (level A1), Hindi (Speaking and listening)